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PATENT ABSTRACTS OF JAPAN

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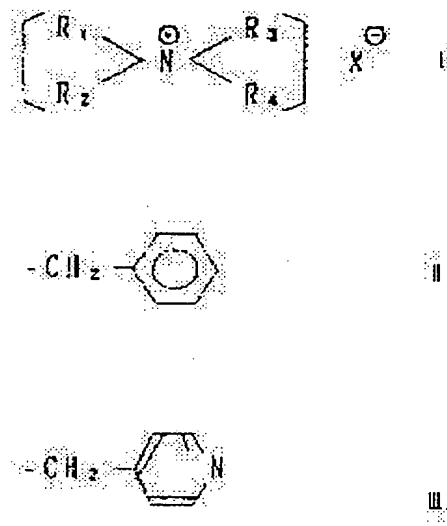
(21)Application number : **63-272655** (71)Applicant : **KAO CORP**
(22)Date of filing : **28.10.1988** (72)Inventor : **IWASAKI TETSUHARU**
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(54) MILDEWPROOFING COATING COMPOSITION

(57)Abstract:

PURPOSE: To provide a mildewproofing coating composition having an excellent fungicidal effect and high safety and can sustain a mildewproofing effect for a long time by mixing a synthetic resin emulsion with a specified quat. ammonium salt in a specified mixing ratio.

CONSTITUTION: At least 0.1 pt.wt. quat. ammonium salt of formula I (wherein at least one of R₁, R₂ and R₃ is an 8-30C linear or branched alkyl or alkenyl, and the rest are methyl, ethyl, formula II of formula III; R₄ is methyl or ethyl; and the counter ion X-1 is an anionic residue of an acid having a 7C or higher hydrophobic group) is added to 100 pts.wt. (in terms of nonvolatiles) synthetic resin emulsion (e.g., vinyl chloride resin emulsion) to produce a mildewproofing coating composition. Examples of the counter ion of the quat. ammonium salt of formula I include residues of dodecylbenzenesulfonic acid and lauric acid.



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DN 113:154360

TI Microbicidal coating compositions containing quaternary ammonium salts

IN Iwasaki, Tetsuharu; Hioki, Yuichi; Mitobe, Hiroyuki

PA Kao Corp., Japan

SO Japan Kokai Tokkyo Koho, 5 pp.

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DT Patent

LA Japanese

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	JP 2582418	B2	19970219		

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AB The title compns., having prolonged microbicidal effects, comprise synthetic resin emulsions and quaternary ammonium compds. R1N+R2R3R4 X- (1 of R1-3 = C8-30 alkyl or alkenyl with the remainder being = Me, Et, CH₂Ph, or 4-pyridylmethyl; R4 = Me, Et; X = anion of acid having C₇ hydrophobic group). A fungicidal coating composition contained TiO₂ 23.4, CaCO₃ 13.7, clay 6.3, ethylene glycol 1.8, diisobutylene-maleic anhydride copolymer salt 0.5, H₂O 13.0, hydroxyethyl cellulose 13.5, acrylic-styrene copolymer emulsion 23.3, defoamer 0.05, and didecyldimethylammonium dodecylbenzenesulfonate 0.5 part.